

module for carrying one or more of the blocks in FIG. 2a, 2b, and/or 5. In some embodiments, a chip unit or some other kind of hardware module is provided for controlling a radio device, such as the mobile device 10, 30.

[0059] FIG. 6 is a simplified block diagram of high-level elements of a mobile communications device according to an embodiment. The device may be configured to carry out at least some of the functions illustrated above for the mobile device 10 and/or 30.

[0060] In general, the various embodiments of the device can include, but are not limited to, cellular telephones, personal digital assistants (PDAs), laptop/tablet computers, digital book readers, imaging devices, gaming devices, media storage and playback appliances, Internet access appliances, as well as other portable units or terminals that incorporate wireless communications functions.

[0061] The device comprises a data processing element DP 600 with at least one data processor and a memory 620 storing a program 622. The memory 620 may be implemented using any data storage technology appropriate for the technical implementation context of the respective entity. By way of example, the memory 620 may include non-volatile portion, such as electrically erasable programmable read only memory (EEPROM), flash memory or the like, and a volatile portion, such as a random access memory (RAM) including a cache area for temporary storage of data. The DP 600 can be implemented on a single-chip, multiple chips or multiple electrical components. The DP 600 may be of any type appropriate to the local technical environment, and may include one or more of general purpose computers, special purpose computers (such as an application-specific integrated circuit (ASIC) or a field programmable gate array (FPGA), digital signal processors (DSPs) and processors based on a multi-processor architecture, for instance.

[0062] The device may comprise at least one radio frequency transceiver 610 with a transmitter 614 and a receiver 612. However, it will be appreciated that the device is typically a multimode device and comprises one or more further radio units 660, which may be connected to the same antenna or different antennas. By way of illustration, the device may comprise radio units 610 to operate in accordance with any of a number of second, third and/or fourth-generation communication protocols or the like. For example, the device may operate in accordance with one or more of GSM protocols, 3G protocols by the 3GPP, CDMA2000 protocols, 3GPP Long Term Evolution (LTE) protocols, wireless local area network protocols, such as IEEE 802.11 or 802.16 based protocols, short-range wireless protocols, such as the Bluetooth, NFC, ZigBee, Wireless USB, and the like.

[0063] The DP 600 may be arranged to receive input from UI input elements, such as an audio input circuit connected to a microphone and a touch screen input unit, and control UI output, such as audio circuitry 630 connected to a speaker and a display 640 of a touch-screen display. The device also comprises a battery 650, and may also comprise other UI output related units, such as a vibration motor for producing vibration alert.

[0064] It will be appreciated that the device typically comprises various further elements, such as further processor(s), further communication unit(s), user interface components, a media capturing element, a positioning system receiver, sensors, such as an accelerometer, and a user identity module, not discussed in detail herein. The device may comprise chipsets to implement at least some of the high-level units illustrated

in FIG. 6. For example, the device may comprise a power amplification chip for signal amplification, a baseband chip, and possibly further chips, which may be coupled to one or more (master) data processors.

[0065] An embodiment provides a computer program embodied on a computer-readable storage medium. The program, such as the program 622 in the memory 620, may comprise computer program code configured to, with the at least one processor, cause an apparatus, such as the device 10, 20, 30 or the device of FIG. 6, to perform at least some of the above-illustrated network access parameter sharing related features illustrated in connection with FIGS. 2a to 5. In the context of this document, a “computer-readable medium” may be any media or means that can contain, store, communicate, propagate or transport the instructions for use by or in connection with an instruction execution system, apparatus, or device, such as a computer, with some examples of a computer being described and depicted in connection with FIG. 6. A computer-readable medium may comprise a tangible and non-transitory computer-readable storage medium that may be any media or means that can contain or store the instructions for use by or in connection with an instruction execution system, apparatus, or device, such as a computer.

[0066] Although the specification refers to “an”, “one”, or “some” embodiment(s) in several locations, this does not necessarily mean that each such reference is to the same embodiment(s), or that the feature only applies to a single embodiment. Single features of different embodiments may also be combined to provide other embodiments. If desired, at least some of the different functions discussed herein may be performed in a different order and/or concurrently with each other. Furthermore, if desired, one or more of the above-described functions may be optional.

[0067] Although various aspects of the invention are set out in the independent claims, other aspects of the invention comprise other combinations of features from the described embodiments and/or the dependent claims with the features of the independent claims, and not solely the combinations explicitly set out in the claims.

[0068] It is also noted herein that while the above describes example embodiments of the invention, these descriptions should not be viewed in a limiting sense. Rather, there are several variations and modifications which may be made without departing from the scope of the present invention as defined in the appended claims.

1-37. (canceled)

38. A method, comprising:

receiving, by an apparatus, a first message from a second apparatus, the first message comprising an information element indicating if access credentials may be requested for the second apparatus,

determining, based on the first message, whether access credentials of the second apparatus may be requested, in response to detecting that the access credentials may be requested, transmitting a request message for requesting the access credentials of the second apparatus, and receiving the access credentials from a third apparatus, different from the second apparatus.

39. The method of claim 38, wherein the apparatus determines, based on the first message, whether the access credentials may be requested via the second apparatus, and the request message is sent to the second apparatus for requesting the access credentials via the second apparatus.